L BEFORE THE POLLUTION CONTROL HEARINGS BOARD 2 STATE OF WASHINGTON 3 IN THE MATTER OF WEYERHAEUSER COMPANY (LONGVIEW 4 PLANT), 5 Appellant, PCHB No. 85-206 6 FINAL FINDINGS OF FACT. ٧. CONCLUSIONS OF LAW AND 7 STATE OF WASHINGTON. ORDER DEPARTMENT OF ECOLOGY, 8 Respondent.

This matter, the appeal of a civil penalty docket (DE 85-648) issued for a purported exceedence of allowable fallout under the terms of the Clean Air Act and the Washington Administrative Code, came on for formal hearing before the Pollution Control Hearings Board on January 10, 1986, at Lacey, Washington. Seated for and as the Board were Wick Dufford, Lawrence J. Faulk and Gayle Rothrock (presiding). Cheri L. Davidson, court reporter, officially recorded the proceedings.

Appellant appeared and was represented by its legal counsel Patrick D. Coogan. Respondent appeared and was represented by

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Assistant Attorney General Terese Neu Richmond.

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Witnesses were sworn and testified. Exhibits were admitted and examined. Argument was heard. From the testimony, evidence, and contentions of the parties, the Board makes these

#### FINDINGS OF FACT

Ι

Appellant Company is a timber and wood-products firm with operations in a number of geographic areas including Longview, Washington, where they have several facilities on one industrial-area riverside compound. One of those facilities, a pulp mill, utilizes lime kilns in its process. Three old lime kilns were in operation until October 1985 when they were replaced by one modern lime kiln.

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The State Department of Ecology (WDOE) is an environmental program and policy implementing agency whose charge includes the implementation of the Clean Air Act and its regulations, in cooperation with activated air pollution control authorities around the state. WDOE has direct jurisdiction over emissions from pulp mills.

III

On July 23, 1985, the Southwest Air Pollution Control Authority (SWAPCA) responded to complaints received the previous day about a whitish gritty dust covering cars and seeping indoors over furniture in a residential neighborhood--approximately one-half mile northeast of Weyerhaeuser's Longview pulp mill. A SWAPCA inspector traveled to the area and noted white- and buff-colored gritty dust at the

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Approximately one teaspoonful. 26

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residence of one particular complainant. She interviewed two individuals and looked around the general vicinity to hazard a quess about the source of this dust, which in her opinion existed there in enough quantity to interfere with the enjoyment of property. Additionally, she took a dust sample from some furniture and a car. placed it loose in a white envelope and posted it to the WDOE. sample did not arrive at its destination, apparently having escaped enroute. No photographs of the offending dust were taken by the inspector.

The inspector noted road reconstruction and dumpsites of road excavation material nearby. She took no samples of dust from those debris piles. She recounted she did not notice an adjacent burned-out house. No visit was made to the Weyerhaeuser, Reynolds Metals, or International Paper plant sites along Industrial Way. Nonetheless, largely on the basis of proximity, she tentatively concluded that the source of the problem was the Weyerhaeuser mill.

IV

One of the persons who complained to SWAPCA also complained to Weyerhaeuser. An environmental engineer at the pulp mill suggested that the complainant use a weak vinegar and water solution to wash off the lime dust (a calcium oxide) if that was indeed the nuisance dust the caller was chagrined about. In testimony the engineer recounted the caller said that the vinegared solution did not work. He further

testified the complainant said applying washwater to the dust turned the water black.

A vinegar solution does work effectively to clean lime dust from surfaces. Calcium does not become black when mixed with water.

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In investigating to determine whether the lime dust might be the culprit, the company's engineer checked with others at the plant to see if they were experiencing any white lime dust as a nuisance on their cars or other vehicles in the employee parking lot downwind just less than one-quarter mile from the kilns. No such occurrence was reported. He personally checked the parking lot and observed no dust he would attribute to the lime kiln operations.

Several days later, he walked over to the neighborhood where the complaint originated and noted some dust which he saw as largely buff-colored on a few vehicles. He noted the road debris piles and heavy-duty vehicle traffic patterns on Industrial Way. He testified he was puzzled because lime dust is heavy and would have a quick, clear fallout and his eyes were not revealing a lime dust coating traceable downwind to the residential area.

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The company's lime kiln stack scrubber emissions charts for July 21 and 22 show no excursions over the standard and nothing out of the ordinary in the operation of the kilns.

However, the old conveyor system for loading the product from the kilns into a lime storage hopper involved an opening near the top of

the bucket elevator from which fugitive dust could and did escape.

These emissions were typically minor and did not normally result in the deposition of dust in noticeable amounts beyond the immediate vicinity of the kilns.

There is no evidence of any unusual fugitive emissions of lime dust on July 22 or the days immediately preceding.

VII

Wind and weather data for July 18 through July 22, 1985, for the immediate area indicate dry days with winds which occasionally stiffened to 15 mph in the afternoons and evenings coming out of the northwest the majority of the time. The Weyerhaeuser Pulp Mill lime kiln area is west of the residential area where these dust complaints arose.

VIII

On July 26, 1985, a WDOE investigator, alerted by SWAPCA, visited the Weyerhaeuser Longview compound and toured the lime kiln area with appellant company's environmental engineer. The investigator noted wisps of fugitive dust from the conveyer system and a deposit of lime dust on the ground at the kilns. He also testified he saw a light dusting of white dust on curbing at the employee parking lot, though none on the parked cars. He took no samples of dust from the plant site.

Next the investigator visited the nearby neighborhood and saw whitish dusting throughout the area. His attention was particularly called to dust on vehicles there. In testimony the investigator said

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it did not look like road dust. However, he did not know where the vehicles he looked at had been or when they got to where he found them.

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Photographs showing dust were made of parts of three vehicles.

Other neighborhood photos were also taken. Samples were taken of the suspect dust from a detached auto windshield found by a house.

Samples were not taken of material from the burned out house, nor were samples taken of the road excavation debris pile.

The dust samples were sent to the WDOE Manchester laboratories, where a calcium titration test was run. Later a second test--an atomic absorption test--was conducted on the sample. The titration test revealed a 13.5 percent calcium content. The atomic absorption method resulted in a finding of 16.6 percent calcium. These figures are higher than levels normally found in nature but not nearly as high as the calcium content of Weyerhaeuser's Pulp Mill kilns lime dust, which is 64 percent as calculated by the company.

No testing was done to see if the entire chemistry of the investigator's samples was like the kiln dust at the mill.

In testimony before the Board the WDOE investigator surmised the difference in calcium content between his samples and the kiln dust at the mill is explained by dilution. He guessed that his samples must have contained pollens and other dusts. If true, this would mean that most of the material in the samples came from sources other than the lime kilns.

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WDOE reflected on its records, including one prior report of fugitive dust problems in the Weyerhaeuser mill's parking lot, and on its conversations with SWAPCA and determined that, with the facts at hand, Weyerhaeuser should incur a \$1,000 civil penalty for particulate fallout from its lime kilns arriving upon nearby residential properties and interfering with their use and enjoyment.

Under authority of chapter 70.94 RCW and WAC 173-405 a penalty docket citing the appellant for a violation was issued by WDOE on September 6, 1985. The date of violation was identified as July 22, 1985, by an amendment to the docket dated October 11, 1985.

XΙ

In September and October both Weyerhaeuser and WDOE personnel did additional investigative work regarding the lime kilns' role, if any, in the particulate fallout event in the affected neighborhood. Weyerhaeuser performed modeling of the lime kiln emissions based on meteorological data of July 22, 1985. Using a liberal estimate of the likely quantity of fugitive emissions, the modeling exercise showed that the amount which could have reached the complainants residences was so small as not to result in noticeable deposition of particulate matter.

XII

DOE's inspector returned to the complainants' neighborhood in Longview on October 11 and took samples from a nearby debris pile and a parking lot. These samples tested in the laboratory at less than l percent calcium.

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The inspector, however, had no information on what had occurred at his sampling sites between July and October or on when the materials in his samples came to rest at the places where he found them.

#### XIII

On October 10, 1985, the Board received an appeal of the penalty docket from Weyerhaeuser petitioning for relief from the penalty, asserting there was no evidence the source of dust complained of was appellant's plant.

The matter was filed and became our cause number PCHB 85-206.

### XIV

Considering all the evidence we are not persuaded that the dust detected by the complainants at their residences on July 22, 1985, came from the Weyerhaeuser lime kiln operation. We are not sure where it came from.

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Even if some part of the dust emanated from the lime kilns, the evidence does not show that the portion of particulate from such source contributed substantially to any harmful effect. Indeed, no injury nor likelihood of injury to human, health, plant or animal life or to property was shown.

Further, it was not shown that unreasonable interference with the use and enjoyment of property occurred. The mere lodging of a complaint is not enough to establish unreasonable interference. The complainants did not testify. We do not know if they are persons of

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normal sensibility. We have no direct evidence of how they were 1 2 affected. 3 IVX Any Conclusion of Law which is deemed a Finding of Fact is hereby 4 5 adopted as such. From these Findings of Fact the Board comes to these 6 7 CONCLUSIONS OF LAW 8 1 9 The Board has jurisdiction over these persons and these matters. 10 Chapters 70.94 and 43.21B RCW. 11 ΙI 12 The provisions implementing the Clean Air Act at Washington 13 Administrative Code (WAC) 173-405-040(8) state: 14 No kraft mill shall cause or permit the emission of particulate matter from any emissions unit which 15 becomes deposited beyond the property under direct control of the owners or operator of the kraft mill 16 in such quantities or of such character or duration as is likely to be injurious to human health, plant 17 or animal life, or property, or will interfere unreasonably with the use and enjoyment of the 18 property upon which the material is deposited. 19 III 20 Neither the necessary effects nor the likelihood of them was 21 proven. Moreover, the necessary causal connection between such 22 effects as there were and appellant's lime kiln operations was not 23proven. We conclude that no violation of the so-called "fallout 24 regulation" was made out. 25 26 FINAL FINDINGS OF FACT,

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CONCLUSIONS OF LAW & ORDER

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IV

Accordingly, Notice of Penalty Incurred and Due, No. DE 85-648 must be reversed and the monetary fine must be vacated. Because we so decide, we do not reach any question concerning the amount of penalty.

Any Finding of Fact which is deemed a Conclusion of Law is hereby adopted as such.

From these Conclusions of Law the Board enters this

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# ORDER

Department of Ecology Order Docket No. DE 85-648 is reversed and the associated \$1,000 civil penalty is vacated.

DONE this 18th day of March, 1986.

POLLUTION CONTROL HEARINGS BOARD

Dayle Kothrock, Vice Chairman

CK DUFFORD, Lawyer Member

LAWRENCE J. PAULK, Chairman